

MD 31 IS CONSIDERED TO RUN IN A EAST-WEST DIRECTION.

PROJECT DESCRIPTION

THIS PROJECT CHANGES THE EXISTING PHASE TO INCLUDE EP SIGNAL ON MAINLINE MD 31.

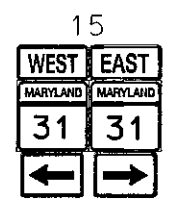
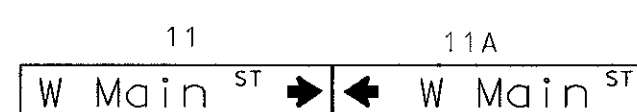
EXISTING SIGNALS

1,2,4,5,7-10



12"

EXISTING SIGNS



PROPOSED SIGNS

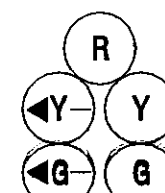
17,18



R10-12 30"x36"

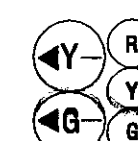
PROPOSED SIGNALS

1,4



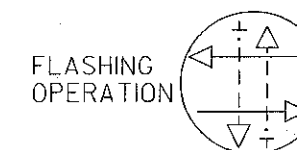
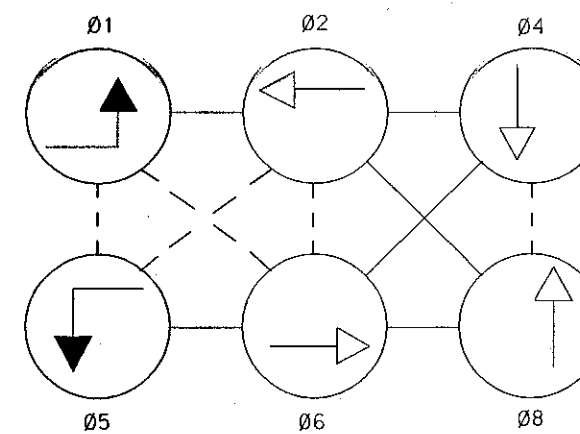
12"

3,6

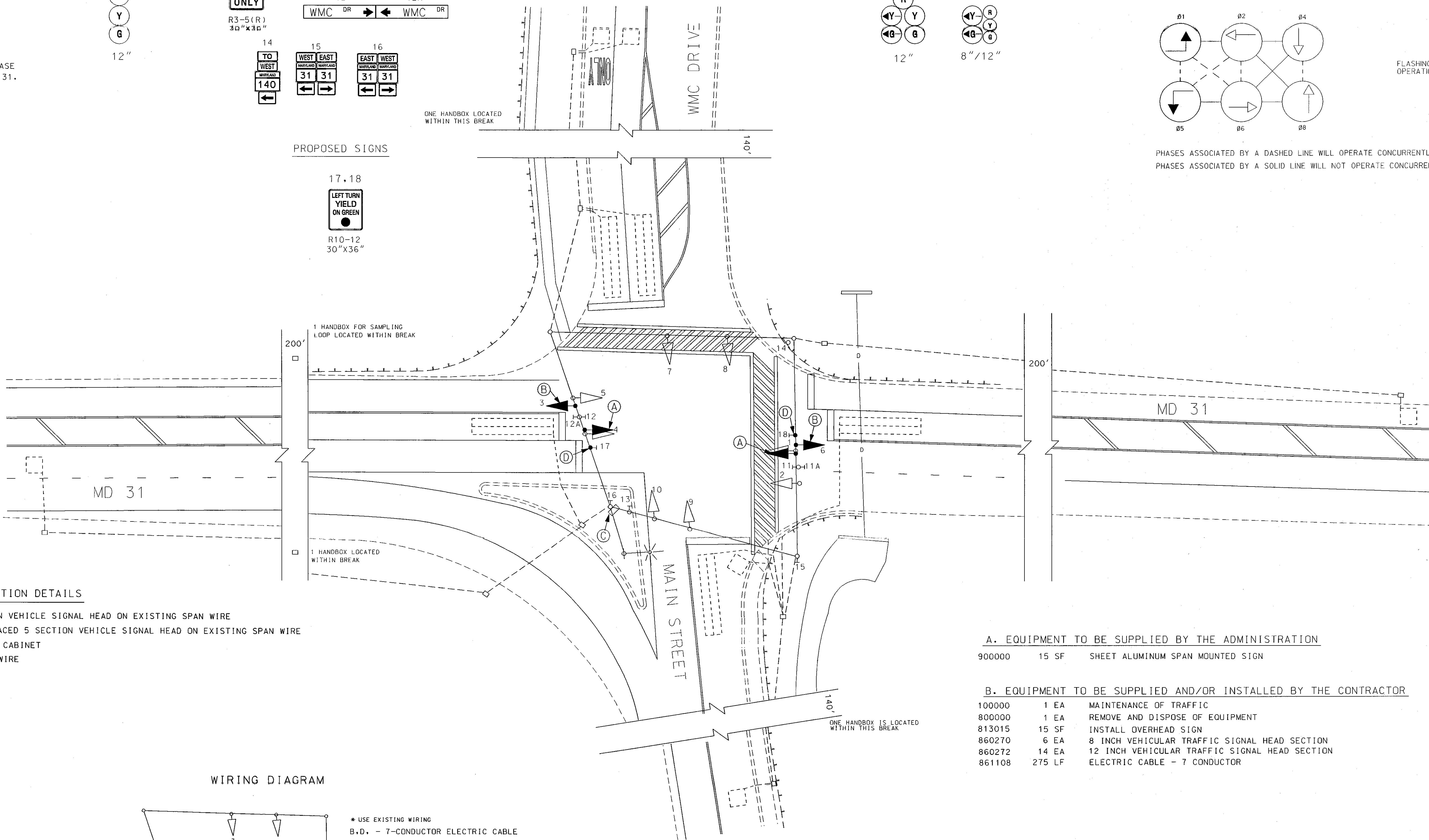


8"/12"

NEMA PHASING



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

- INSTALL 12" BLACK FACED 5-SECTION VEHICLE SIGNAL HEAD ON EXISTING SPAN WIRE
- INSTALL 8"/12" NEAR SIDE BLACK FACED 5 SECTION VEHICLE SIGNAL HEAD ON EXISTING SPAN WIRE
- EXISTING POLE MOUNTED CONTROLLER CABINET
- INSTALL SIGN ONTO EXISTING SPAN WIRE

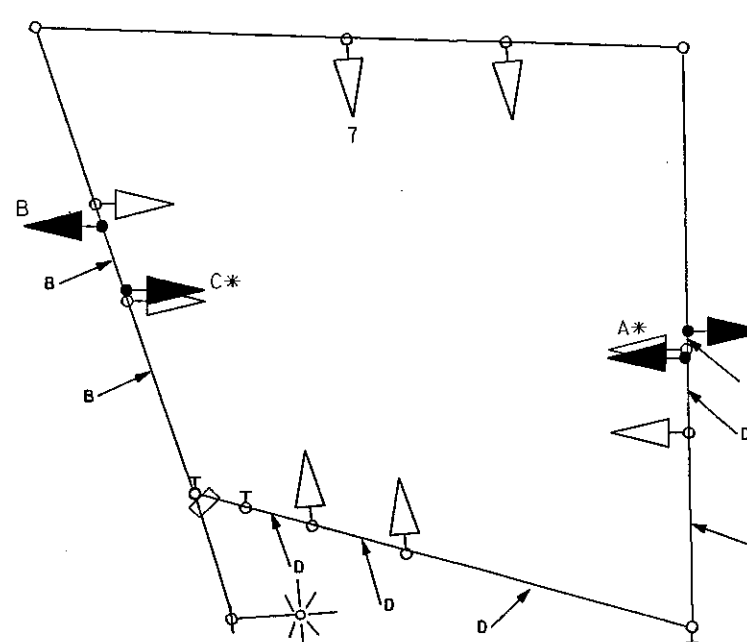
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

900000 15 SF SHEET ALUMINUM SPAN MOUNTED SIGN

B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR

100000 1 EA MAINTENANCE OF TRAFFIC  
800000 1 EA REMOVE AND DISPOSE OF EQUIPMENT  
813015 15 SF INSTALL OVERHEAD SIGN  
860270 6 EA 8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION  
860272 14 EA 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION  
861108 275 LF ELECTRIC CABLE - 7 CONDUCTOR

WIRING DIAGRAM



\* USE EXISTING WIRING  
B.D. - 7-CONDUCTOR ELECTRIC CABLE

UTILITY LEGEND

G — G — GAS MAIN  
W — W — WATER MAIN  
S — S — SEWER MAIN  
E — E — ELECTRIC CABLES  
A — A — AERIAL CABLES  
T — T — TELEPHONE CABLES

REVISIONS		APPROVALS	
1	INSTALL EP PHASING FOR MD 31 WORK TO BE DONE BY SHS SIGNAL SHOP G763 DJR 1/2/2005	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
2	INSTALL 3" BLIND COUPLING FOR CABINET F741 XX1065385/CL7775177 4/2003 CJS	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
3	MODIFY DETECTORS DUE TO NEW GEOMETRICS BW996M2 MAY 4, 1999	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
4	RECONSTRUCT LOOP DETECTORS 6/1989 WM	DIRECTOR, TRAFFIC & SAFETY	



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 31 at MD 32/WMC Drive  
Westminster, Maryland

DRAWN BY:  
CHECKED BY:  
SCALE: 1:20  
DATE: 1989

F.A.P. NO.  
S.H.A. NO.  
COUNTY: CARROLL  
LOC MILE: 06003109.75

TS NO.  
171-E  
T.I.M.S. NO.  
G763

SHEET NO.  
1 OF 1